

Converting Colors

$Y_{xy}(28.9419, 0.2005, 0.2029)$

Have a look what the booklet for
Yxy(28.9419, 0.2005, 0.2029)
contains.

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Color

Yxy(28.8969, 0.2006, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	4495EE
RGB	68, 149, 238
RGB Percent	27%, 58%, 93%
CMY	0.7328, 0.4157, 0.0667
CMYK	0.71, 0.37, 0.00, 0.07
HSL	211°, 83%, 60%
HSV	211°, 71%, 93%
XYZ	28.5693, 28.8969, 84.9532
YIQ	134.9270, -76.8450, 10.5070

Conversions

Conversions Part 2

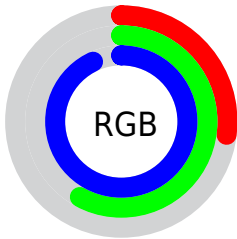
Format	Color
R _{YB}	68, 123, 238
Decimal	4494830
CIE Lab	60.69, 4.37, -51.90
CIE LCh	61, 52.080, 274.813
Yxy	28.8969, 0.2006, 0.2029
Android (android.graphics.Color)	4282684910 (0xFF4495EE)
YUV	134.9270, 50.8150, -58.6950
Hunter-Lab	53.7558, 0.7938, -56.0700

Details

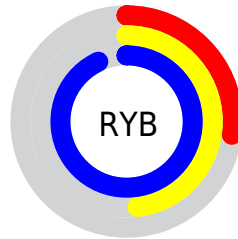
The Yxy color **28.8969, 0.2006, 0.2029** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **42.7557, 0.4728, 0.4178**, and the grayscale version is **24.0427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0828, 0.2385, 0.2660**, and **12.2599, 0.1817, 0.1740** is the 20% darker color. If you saturate the color by 10%, you get **24.4702, 0.1891, 0.1825**, and if you desaturate by 10%, it is **34.0952, 0.2142, 0.2236**.

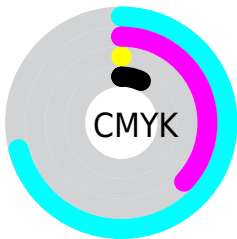
Distribution



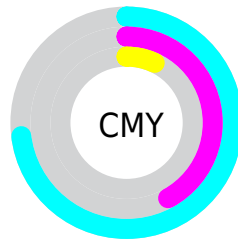
- Red (27%)
- Green (58%)
- Blue (93%)



- Red (27%)
- Yellow (48%)
- Blue (93%)



- Cyan (71%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)





- Cyan (73%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8969, 0.2006, 0.2029 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.8969, 0.2006, 0.2029 by changing the saturation by 10% instead.

 28.8969, 0.2006,
0.2029


 28.8969, 0.2006,
0.2029


296.7282, 0.2575,
0.2660


 19.0028, 0.1868,
0.1879


 57.9132, 0.2211,
0.2254


 11.6723, 0.1696,
0.1692


 77.8043, 0.2289,
0.2340

 6.5210, 0.1478,
0.1458


 101.7965, 0.2355,
0.2414

 3.1644, 0.1199,
0.1163

 130.2742, 0.2411,
0.2477

 1.2181, 0.0847,
0.0797

163.6219, 0.2460,
0.2532

 0.0764, 0.0242,
0.0103

202.2238, 0.2503,

 0.0000, 0.0000,

0.2580

0.0000

246.4644, 0.2541,
0.2622

■ 28.8969, 0.2006,
0.2029

■ 28.8969, 0.2006,
0.2029

■ 24.4702, 0.1891,
0.1825

■ 34.0952, 0.2142,
0.2236

■ 20.7543, 0.1801,
0.1629

■ 40.1125, 0.2293,
0.2439

■ 18.0466, 0.1742,
0.1471

■ 46.9945, 0.2455,
0.2633

■ 54.7819, 0.2621,
0.2816

■ 63.5126, 0.2788,
0.2984

■ 73.2218, 0.2950,
0.3136

■ 83.9428, 0.3106,
0.3273

■ 95.0315, 0.3232,
0.3394

■ 98.9525, 0.3226,
0.3454

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8969, 0.1719, 0.2228



28.8969, 0.2006, 0.2029



28.8969, 0.2589, 0.2103

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.8969, 0.2006, 0.2029



28.8969, 0.4760, 0.3477



28.8969, 0.2690, 0.4490

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.8969, 0.2006, 0.2029



42.7557, 0.4728, 0.4178

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.8969, 0.3488, 0.4869



28.8969, 0.2006, 0.2029



28.8969, 0.4723, 0.4090

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.8969, 0.2006, 0.2029



28.8969, 0.4259, 0.2893



28.8969, 0.4233, 0.4635



28.8969, 0.2056, 0.3610

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.8969, 0.2006, 0.2029



28.8969, 0.3122, 0.2284



28.8969, 0.4233, 0.4635



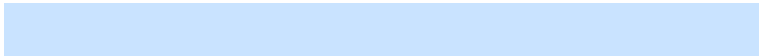
28.8969, 0.2949, 0.4691

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.8978, 0.2006, 0.2029



74.6054, 0.2792, 0.2988



64.7744, 0.2676, 0.4449



15.3367, 0.2747, 0.2944



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8978, 0.2006, 0.2029



26.3717, 0.1843, 0.1727



11.6618, 0.1766, 0.1024



16.4699, 0.2980, 0.3163



10.3245, 0.1750, 0.1499



1.0569, 0.1818, 0.1744

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.4960, 0.4356, 0.2496



24.3997, 0.4750, 0.2487



79.2522, 0.4057, 0.4877



15.8842, 0.3219, 0.3178



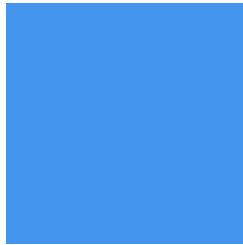
10.8356, 0.5060, 0.2561



0.9214, 0.4752, 0.2392

Previews

White Background



This preview shows how the Yxy color 28.8969, 0.2006, 0.2029 looks on a white background.

Color Contrast Check

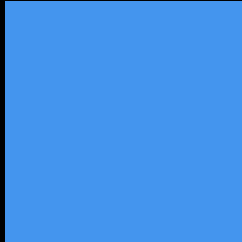
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.8969, 0.2006, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

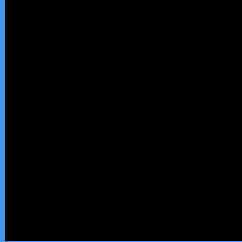
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

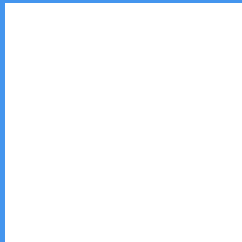
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8969, 0.2006, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 28.8969, 0.2006, 0.2029.



This preview shows how white text looks on a background with the Yxy color 28.8969, 0.2006, 0.2029.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.8969, 0.2006, 0.2029

Protanopia

28.5517, 0.2206, 0.2046

Deuteranopia

28.8160, 0.2065, 0.1998



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.8969, 0.2006, 0.2029

Protanomaly

28.6242, 0.2119, 0.2043

Deuteranomaly

28.8049, 0.2039, 0.2003

Tritanomaly

28.3978, 0.2083, 0.2611

Monochromacy



Original Color

28.8969, 0.2006, 0.2029

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1142, 0.2565, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8969, 0.2006, 0.2029 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(68, 149, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 149, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(68, 149, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 149, 238) }
```

Border

The CSS property to change the border of an element to Yxy 28.8969, 0.2006, 0.2029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 149, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(68, 149, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(68, 149, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 149, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 149, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 149,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8969, 0.2006, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 149, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(68, 149,  
238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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